

Cost-Effective HPC Platform



Transport GT20

B3870G20S4H



Front view



Back view



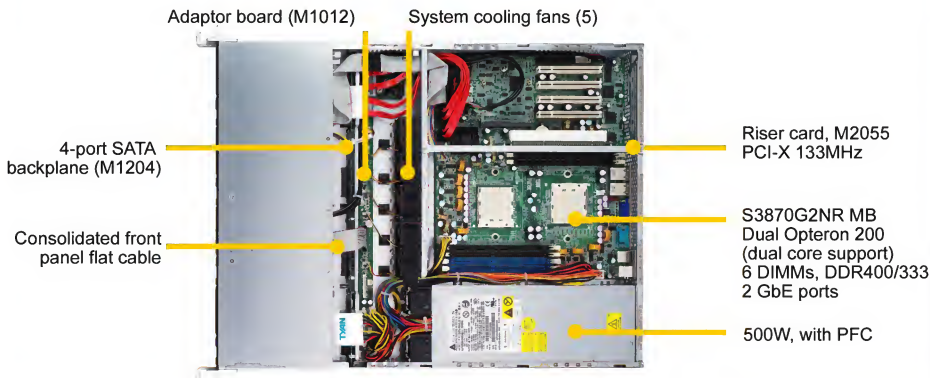
High Performance, High Density Server Platform
with Dual AMD Opteron™

- Support up to 2 AMD Opteron™ 200 processors (dual core ready)
- Broadcom BCM5785 (Serverworks HT-1000) core-logic
- Six (6) DIMMs, supporting max. 12/24GB registered, ECC DDR400/333
- 2*GbE (Intel® 82541PI GbE controllers)
- One (1) 133MHz PCI-X slot on riser card
- Support four (4) hot-swappable SATA HDD bays, with HostRAID 0, 1, 10
- Pre-installed one (1) slim CD-ROM drive, 24x
- Optional one (1) slim FDD
- TYAN GT20, with Delta 500W power supply

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▼ Side View



S P E C I F I C A T I O N S

Enclosure

- Industry 19" rack-mountable 1U chassis
- Storage bay
 - (4) 3.5" HDD bays
 - (1) slim line CD-ROM bay
 - (1) slim line FDD bay
- Dimension
 - D 22.4 x W 17.2 x H 1.72 inch (568x436x43.6mm)

Processors

- Dual PGA 940-pin ZIF sockets
- Supports one or two AMD Opteron™ 200 series processors (including dual core processors)

Chipset

- ServerWorks BCM5785 (HT-1000) core-logic
- NS PC87417 Super I/O
- (2) SMC EMC6D103 hardware monitoring IC

Memory

- Total (6) DIMM sockets
- (4) from CPU0 and (2) from CPU1
- Supports PC2100, PC2700 & PC3200 DDR
- Registered, ECC/Non-ECC module supported
- Single/Dual/Quad-Rank memory supported

Expansion Slots

- (1) 64-bit 100/133MHz PCI-X slot on riser card (Riser card model: M2055)
- One Tyan "TARO" SO-DIMM socket

Back I/O Ports

- Stacked PS/2 Mouse & Keyboard ports
- Stacked 2 USB 2.0 ports

- (1) 9-pin UART Serial port
- (1) 15-pin VGA port
- (2) RJ45 connectors

Front Panel Features

- I/O
 - (2) USB 2.0 ports
- LED indicators
 - Power LED
 - HDD active LEDs
 - System warning LED
 - (2) LAN LEDs
 - ID LED
- Switches
 - Power
 - Reset
 - NMI
 - ID

Integrated Storage Controller(BCM5785)

- MCM5785 embedded 4-port SATA at 1.5Gb/s with NCQ

Storage

- Pre-installed slim type 24x CD-ROM
- Support (4) hot-swappable SATA HDDs with RAID 0, 1, 10

Networking

- (2) GbE ports
 - Two Intel i82541PI GbE LAN controllers
 - With ASF 2.0/WfM/Teaming support

Video

- XGI Volari Z7 (XG20)
- 16MB frame buffer memory

Motherboard

- TYAN Tiger K8SSA S3870G2NR system board
- ATX footprint (10.2" x 12")

BIOS

- AMI BIOS on 8Mbit LPC Flash ROM
- Serial Console Redirect
- Supports APM1.2 and ACPI
- PnP, DMI2.0, WfM2.0 power Management

Server Management

- System fan speed control and monitoring
- Chassis intrusion alert
- Support Tyan Server Management(TSM)
- TYAN SMDIC, IMPI 2.0 compliant remote server management kit (Optional)

System Cooling

- (5) 40*40*28mm 15000rpm heavy-duty fans
- (1) passive CPU heatsink for 2PCs CPU

Power Supply

- EPS 12V, 1U, 500W with PFC
- 100V~240V AC input

Regulatory

- FCC Class B (Declaration of Conformity)
- CE · VCCI · C-Tick

Environment Temperature

- Operating temperature 5°C ~ 35°C
- Non-operating temperature -40°C ~ 70°C

Product SKU

Model #	HDD type supported	No. of HDD supported	System Board
B387G20S4H	Hot-swappable (4)	4-port SATA	S3870G2NR

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